

IN THE CLAIMS:

Please cancel Claims 92 and 95 without prejudice or disclaimer of subject matter, and amend the claims as shown below.

1. (Currently Amended) A displaying method, of acquiring information related to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by using a network management program in a network management apparatus, and displaying acquired information of the selected printing apparatus, said method comprising:

an invoking step of the network management apparatus invoking the network management program;

a printing apparatus displaying step of the network management program displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step;

a device window display step of the network management program displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of displaying the device window,

and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked in the invoking step;

a first partial sheet information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting step of the user selecting the designation portion for the second sheet displayed in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

a second acquiring step of, in response to the user's selection of the designation portion for the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network using SNMP, the second partial sheet information related to the selected

printing apparatus; ~~by communicating with the selected printing apparatus using SNMP;~~
~~via the network in response to a user's selection of the second sheet by using the~~
~~designation portion while the first sheet is displayed; and~~

a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in said second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

2. (Currently Amended) A network device control apparatus for acquiring information related to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by using a network management program in the network device control apparatus, and displaying acquired information of the selected printing apparatus, comprising:

an invoking unit for invoking the network management program;

a printing apparatus displaying unit for displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting unit for accepting a user's selection of a printing apparatus symbol from among the printing apparatus symbols displayed on the display by the printing apparatus displaying unit;

a device window display unit for the network management program to displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is

visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of the device window,

and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

a first acquiring unit for the network management program to acquire, from the selected printing apparatus, acquiring the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked by the invoking unit;

a first partial sheet information display unit for the network management program to displaying the first partial sheet information, acquired by said first acquiring unit from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting unit for the user to select the designation portion for the second sheet displayed in the device window display so as to invoke displaying of the second sheet in the device window in place of the first sheet;

a second acquiring unit for, in response to the user's selection of the designation portion for the second sheet, the network management program to acquire

acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network using SNMP, the second partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP, via the network in response to a user's selection of the second sheet by using the designation portion while the first sheet is displayed; and

a second partial sheet information display unit for the network management program to displaying the second partial sheet information, acquired by said second acquiring unit, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

3. (Currently Amended) A computer-readable recording medium storing a program for implementing an acquiring method of acquiring information related to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by using a network management program in a network management apparatus, and a displaying method of displaying acquired information, the program comprising:

program code for an invoking step of the network management apparatus invoking the network management program;

program code for a printing apparatus displaying step of the network management program displaying on a display symbols representing the plurality of printing apparatuses;

program code for a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step;

program code for a device window display step of the network management program displaying a device window allocated to the selected printing apparatus, the device window having a first sheet, a second sheet, and a designation portion for selecting either to display the first sheet or the second sheet, wherein the sheet selected by the designation portion is visible while the other sheet is invisible, and the first sheet is visible at an initial display stage of the device window,

and wherein the first sheet defines items to be displayed as first partial sheet information and the second sheet defines items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet are different from each other and are managed as an MIB (Managed Information Base) by the selected printing apparatus;

program code for a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus using SNMP (Simple Network Management Protocol), via a network when the network management program is invoked in the invoking step;

program code for a first partial sheet information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program

is invoked, on the first sheet of the device window as the initial display, wherein the first partial sheet information is part of information related to the selected printing apparatus;

program code for a sheet selecting step of the user selecting the designation portion for the second sheet displayed in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

program code for a second acquiring step of, in response to the user's selection of the designation portion for the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network using SNMP, the second partial information related to the selected printing apparatus; by communicating with the selected printing apparatus using SNMP, via the network in response to a user's selection of the second sheet by using the designation portion while the first sheet is displayed; and

program code for a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in said second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

4. to 59. (Canceled).

60. (Previously Presented) A displaying method according to Claim 1, wherein said first partial sheet information display step includes forming a list of information required for display of the first sheet, acquiring listed information, and storing the acquired first partial sheet information in a memory.

61. (Canceled).

62. (Previously Presented) A displaying method according to Claim 1, wherein said second partial sheet information display step includes forming a list of information required for display of the second sheet, acquiring listed information, and storing the acquired second partial sheet information in a memory.

63. (Canceled).

64. (Currently Amended) A displaying method according to Claim 1, further comprising, if the user selects the designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion for the second sheet at least once before, a determination step of determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing the first partial sheet information or the second partial sheet information previously acquired from the selected printing apparatus.

65. (Currently Amended) A displaying method according to Claim 64, wherein said first partial sheet information display step or said second partial sheet information display step ~~includes acquiring~~ acquires the information from the selected printing apparatus, if it is determined that information is to be acquired from the selected

printing apparatus, or ~~acquiring~~ acquires the information from the memory, if it is determined that information is to be acquired from the memory.

66. (Currently Amended) A displaying method according to Claim 1, wherein said second partial sheet information display step is executed if a tab, as the designation portion, is clicked on [[a]] the device window.

67. (Currently Amended) A displaying method according to Claim 1, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

68. (Currently Amended) A displaying method according to Claim 1, wherein the second sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

69. (Currently Amended) A displaying method according to Claim 1, further comprising a search step of searching for printing apparatuses connected to [[a]] the network and in response to invoking the network management program and displaying the searched a list of the printing apparatuses in the printing apparatus displaying step[[.]] wherein said first partial sheet information display step is executed when one of the printing apparatuses on the list is selected by a user.

70. to 73. (Canceled).

74. (Currently Amended) An apparatus according to Claim 2, further comprising a determination unit for, if the user selects the designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion for the second sheet at least once before, determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing the first partial sheet information or the second partial sheet information previously acquired from the selected printing apparatus.

75. (Previously Presented) An apparatus according to Claim 74, wherein said first partial sheet information display unit or said second partial sheet information display unit acquires information from the selected printing apparatus, if it is determined that information is to be acquired from the selected printing apparatus, or

acquires information from the memory, if it is determined that information is to be acquired from the memory.

76. (Canceled).

77. (Currently Amended) An apparatus according to Claim 2, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

78. (Currently Amended) An apparatus according to Claim 2, wherein the second sheet is a screen that displays status of the selected printing apparatus, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

79. (Currently Amended) An apparatus according to Claim 2, further comprising:

a search unit for searching for printing apparatuses connected to [[a]] network in response to invoking the network management program[;]] and
a display for displaying a list of the printing apparatuses;
wherein said ~~first partial sheet information~~ printing apparatus display unit executes acquisition of the first information when one of the listed displays the searched printing apparatuses is selected by a user.

80. to 83. (Canceled).

84. (Currently Amended) A recording medium according to Claim 3, further comprising program code for a determination step of if the user selects the designation portion for the first sheet again, or selects the designation portion for the second sheet again after having selected the designation portion for the second sheet at least once before, determining whether the first partial sheet information or the second partial sheet information is to be acquired from the selected printing apparatus or a memory storing information acquired from the selected printing apparatus.

85. (Currently Amended) A recording medium according to Claim 84, wherein the first partial sheet information display step or the second partial sheet information display step ~~includes acquiring~~ acquires the first partial sheet information or the second partial sheet information from the selected printing apparatus, if it is determined that information is to be acquired from the selected printing apparatus, or ~~acquiring~~

acquires the information from the memory, if it is determined that information is to be acquired from the memory.

86. (Canceled).

87. (Currently Amended) A recording medium according to Claim 3, wherein the first sheet is a screen that displays a status of the selected printing apparatus, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

88. (Currently Amended) A recording medium according to Claim 3, wherein the second sheet is a screen that displays a status of the selected network device, a screen that displays a list of jobs of the selected printing apparatus, a screen that displays a manufacturer, a product name, an installation location, a product version, or a toner cartridge model of the selected printing apparatus, or a screen that displays information about a network interface board or information about a network protocol of the selected printing apparatus.

89. (Currently Amended) A recording medium according to Claim 3, further comprising:

program code for a search step of searching for network devices printing apparatuses connected to a network when the network management program is invoked,[[:]] and

program code for a display step of displaying a list of the network devices, wherein said first partial sheet information printing apparatus display step is executed when one of the listed network devices is selected by a user displays the searched printing apparatuses.

90. (Currently Amended) A displaying method, of acquiring information related to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by using a network management program in a network management apparatus, and displaying the acquired information, said method comprising:

an invoking step of the network management apparatus invoking the network management program;

a printing apparatus displaying step of the network management program displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step;

a device window display step of the network management program displaying a device window, allocated to the selected printing apparatus, the device window including a first sheet and a second sheet, the first sheet defining items to be displayed as first partial sheet information and the second sheet defining items to be

displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet being different from each other and being managed by the selected printing apparatus;

a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial information related to the selected printing apparatus, by communicating with the selected printing apparatus, via a network when the network management program is invoked in the invoking step;

a first partial information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting step of the user performing an operation to select the second sheet in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

a second acquiring step of, in response to the user performing the operation to select the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network, in response to a user's selection of the second sheet, the second partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus, via a network; and

a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in the second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

91. (Currently Amended) The method according to claim 90, wherein the first and the second partial sheet information are acquired from the selected printing apparatus using SNMP.

92. (Canceled)

93. (Currently Amended) A network device control apparatus for acquiring information related to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by using a network management program in the device control network apparatus, and displaying the acquired information, ~~said method~~ comprising:

an invoking unit for invoking the network management program;

a printing apparatus displaying unit for displaying on a display symbols representing the plurality of printing apparatuses;

a printing apparatus selecting unit for accepting a user's selection of a printing apparatus symbol from among the printing apparatus symbols displayed on the display by the printing apparatus displaying unit;

a device window display unit for the network management program to displaying a device window, allocated to the selected printing apparatus, the device

window including a first sheet and a second sheet, the first sheet defining items to be displayed as first partial sheet information and the second sheet defining items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet being different from each other and being managed by the selected printing apparatus;

a first acquiring unit for the network management program to acquire from the selected printing apparatus, acquiring the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus, via a network when the network management program is invoked by the invoking unit;

a first partial sheet information display unit for the network management program to displaying the first partial sheet information, acquired by said first acquiring unit from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window, wherein the first partial sheet information is part of information related to the selected printing apparatus;

a sheet selecting unit for the user to perform an operation to select the second sheet in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

a second acquiring unit for, in response to the user's selection of the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network, in response to a user's selection of the second sheet; the second partial sheet information related to the selected

printing apparatus; ~~by communicating with the selected printing apparatus, via a network;~~
and

a second partial sheet information display unit for the network management program to displaying the second partial sheet information, acquired by the second acquiring unit, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

94. (Currently Amended) The apparatus according to claim 93,
wherein the first and the second partial sheet information are acquired from the selected printing apparatus using SNMP.

95. (Canceled)

96. (Currently Amended) A computer-readable recording medium
storing a program for implementing an acquiring method of acquiring information related
to a selected printing apparatus from among [[of]] a plurality of printing apparatuses by
using a network management program in a network management apparatus, and displaying
the acquired information, the program comprising:

program code for an invoking step of the network management apparatus
invoking the network management program;

program code for a printing apparatus displaying step of the network
management program displaying on a display symbols representing the plurality of printing
apparatuses;

program code for a printing apparatus selecting step of a user selecting a printing apparatus symbol from among the printing apparatus symbols displayed on the display in the printing apparatus displaying step

program code for a device window display step of the network management program displaying a device window, allocated to the selected printing apparatus, the device window including a first sheet and a second sheet, the first sheet defining items to be displayed as first partial sheet information and the second sheet defining items to be displayed as second partial sheet information, and the items to be displayed as the first partial sheet information on the first sheet and the items to be displayed as the second partial sheet information on the second sheet being different from each other and being managed by the selected printing apparatus;

program code for a first acquiring step of the network management program acquiring, from the selected printing apparatus, the first partial sheet information related to the selected printing apparatus, by communicating with the selected printing apparatus, via a network when the network management program is invoked in the invoking step;

program code for a first partial sheet information display step of the network management program displaying the first partial sheet information, acquired in said first acquiring step from the selected printing apparatus when the network management program is invoked, on the first sheet of the device window, wherein the first partial sheet information is part of information related to the selected printing apparatus;

program code for a sheet selecting step of the user performing an operation to select the second sheet in the device window display so as to invoke displaying the second sheet in the device window in place of the first sheet;

program code for a second acquiring step of, in response to the user's selection of the second sheet, the network management program acquiring, from the selected printing apparatus by communicating with the selected printing apparatus via the network, in response to a user's selection of the second sheet, the second partial sheet information related to the selected printing apparatus; by communicating with the selected printing apparatus, via a network; and

program code for a second partial sheet information display step of the network management program displaying the second partial sheet information, acquired in the second acquiring step, on the second sheet of the device window, wherein the second partial sheet information is part of information related to the selected printing apparatus.

97. to 99. (Canceled)